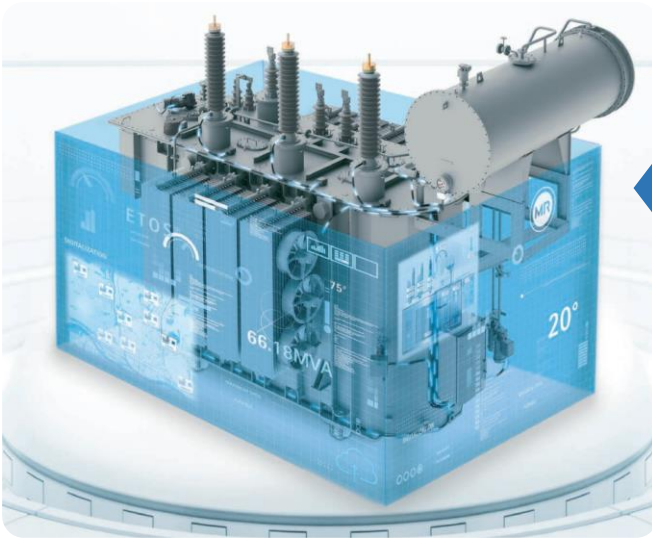
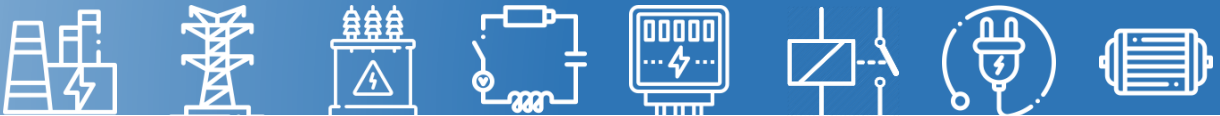


IOT FOR ELECTRICAL AND POWER ENGINEERS



IoT based solutions can ensure that outages in the production, transmission and distribution of quality electricity can be predicted and prevented. For example, transformer specialist Reinhausen has been developing ETOS - Embedded Transformer Operating System for reliable transmission operations in large transformers. On the retail distribution side IoT innovations like prepaid smart meters are being rapidly deployed for accurate billing and plugging revenue leakage. IoT solutions also make off grid solutions like rooftop solar installations and diesel generator sets more reliable.

Carbon based electricity generation is very expensive and every effort to optimize its usage must be made. Therefore the next generation of commercial buildings incorporate energy optimization in their electrical and structural design phase. This initiative can encompass a number solutions from IoT enabled heating, ventilation and air conditioning systems, IoT enabled IT server rooms, IoT enabled elevators and escalators and even IoT enabled lighting controls. These sustainable buildings also generate some energy from renewable sources in order to offset electricity consumption.



Capsule Labs is founded by IoT industry veterans and offers foundational IoT projects to develop a better understanding of IoT solution. With our electrical kit you can create projects for energy monitoring and remote operations.